

# CDI-1600 Digital Weight Indicator



**The CDI-1600 advanced multi-function digital weight indicator was developed specifically to meet the needs of modern air cargo and express parcel operations.**

The specification and enhanced function set of the CDI-1600 allows both stand-alone operation, or integration into a larger system via serial and Ethernet communication interfaces.

System designers can standardise on the CDI-1600 throughout the cargo facility, simplifying user training, parts holding, maintenance and support thereby lowering costs for the owner.

A large colour TFT high contrast graphics display makes the CDI-1600 very easy to read at a glance with big digits and clear presentation. This full graphics display simplifies set-up and maintenance menus, and sophisticated functions can be configured with ease.

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## Features

- Stainless steel enclosure
- Large colour TFT high contrast display
- Weight digits from 20 mm to 40 mm high
- Air cargo data entry/capture enabled (full alphanumeric)
- Configurable operating modes & user prompts
- Display up to TWO scales simultaneously (Scale 1, Scale 2 & Total) with dual-input version
- Power for up to 10 load cells (per scale) at 350 ohm each
- Expanded 27-Key keyboard with navigation arrows
- Internal audible piezo buzzer, key press feedback
- PS2 Qwerty keyboard interface
- Programmable printout data/ticket formats
- Time & date internal real-time clock
- 3x digital inputs plus 3 x digital outputs
- Ethernet communications port onboard (network enabled)
- USB Serial Port - connects with memory sticks for firmware upgrading and configuration cloning
- Two onboard serial ports (RS232 or RS422)
- Tilt stand or panel mounted



## Dual Scale Version

With the dual scale version, this indicator can display weight data from two scales simultaneously.

Both scales are active and are independently weighing at all times. The display can be set to display both scales and the total weight at the same time or selected to display one scale weight only.

Connect up to 10 load cells per scale input (20 in total).

## Capture additional data

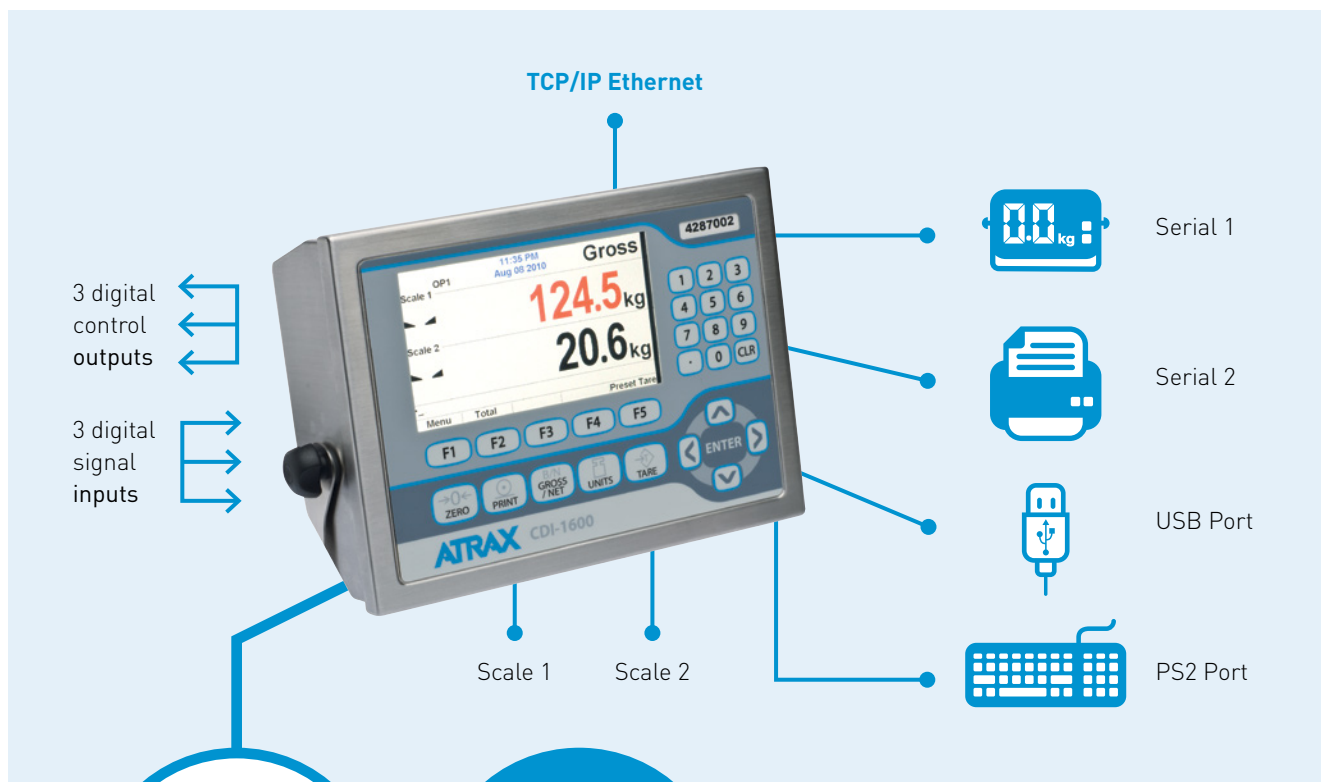
- Transaction data can be captured and added at time of weighing via the CDI-1600 front panel or Qwerty PS/2 keyboard connected to the CDI-1600
- The indicator can be configured at set-up to prompt the operator with pre-set questions for data entry. These questions can be defined during the DWI set-up and configuration
- This captured data can be output to a printer or remote host computer via a serial port or (TCP/IP) Ethernet connection



User prompts for data entry

## Connect to the world

**The CDI-1600 will connect with everything you might need in today's cargo facilities, including advanced technology and highly automated systems.** The indicator can control its surrounding process using fully configurable I/O. Alternatively, control can be executed from a central system using a range of available interfaces.



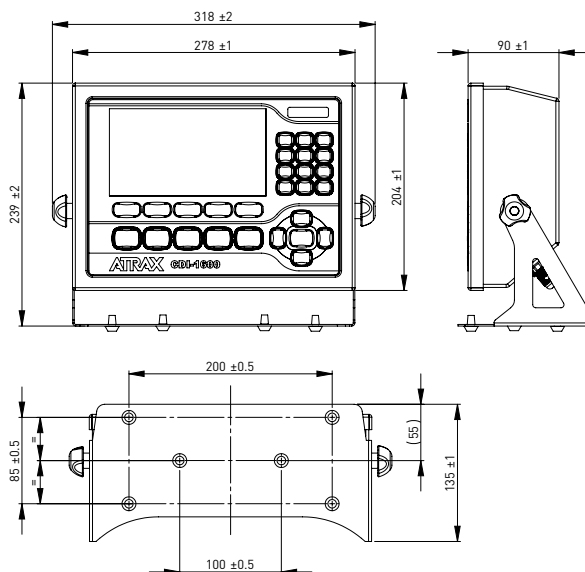
### OPTION CARD

- Serial Port 3
- Analogue output
- Additional digital input/outputs

The CDI-1600 can be matched to almost any load cell system to achieve optimum accuracy stability and repeatability.

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## Specifications

|                                    |   |
|------------------------------------|---|
| <b>Power Line Voltages</b>         | 100 to 240 VAC. Power consumption 600mA max   |
| <b>Frequency</b>                   | 50 or 60 Hz (25W)   |
| <b>Excitation Voltage</b>          | 5 Volts DC, 10 x 350 ohm load cells per scale   |
| <b>Analogue Channels</b>           | One or two fully independent L/C input channels   |
| <b>Analogue Signal Range</b>       | 0.6mV/V – 4.5mV/V   |
| <b>Analogue Signal Sensitivity</b> | 0.3µV/graduation minimum,<br>1.5µV/graduation recommended                               |
| <b>Scale Resolution</b>            | Max 100,000 displayed graduations   |
| <b>Digital Inputs</b>              | 3 x Digital Inputs 10 – 30 VDC  |
| <b>Digital Outputs</b>             | 3 x Digital Outputs 30 VDC 1 Amp max  |
| <b>Circuit Protection</b>          | ESD, EMI, RFI Protection  |
| <b>Serial Outputs</b>              | 2 x RS232 Full Duplex ports<br>1 port selectable as either RS232 or RS422               |
| <b>Ethernet – TCP/IP</b>           | Sealed connector on base of enclosure, for external access                              |
| <b>USB Port</b>                    | For firmware upgrading and configuration cloning  |
| <b>Display</b>                     | 15 x 8 cm TFT colour, 800 x 480 pixel   |
| <b>Keyboard</b>                    | 27-Key flat membrane panel, tactile feel.<br>PS/2 port for external keyboard connection |
| <b>Operating Temperature</b>       | Legal for Trade: -10°C to + 40°C<br>Industrial: -10°C to + 50°C                         |

## Options

- Serial Port 3
- Analogue weight output
- Extra digital I/O

# ATRAX

## CONTACT US

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Specifications are subject to change without notice.

